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(21) International Application Number: PCT/CA99/00572 (22) International Filing Date: 17 June 1999 (17.06.99) (30) Priority Date: 2,235,420 17 June 1998 (17.06.98) CA (71) Applicant (for all designated States except US): RECHERCHES EXPERTISES ET DEVELOPPEMENT MEDICAUX PARENZ INC. [CA/CA]; 38 Edgehill Road, Westmount, Québec H3Y 1E9 (CA). (72) Inventor; and (75) Inventor/Applicant (for US only): RENZI, Paolo [CA/CA]; 38 Edgehill Road, Westmount, Québec H3Y 1E9 (CA). (74) Agents: COTE, F. et al.; Swabey Ogilvy Renault, Suite 1600, 1981 McGill College Avenue, Montreal, Québec H3A 2Y3 (CA).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> (88) Date of publication of the international search report: 20 April 2000 (20.04.00)
(54) Title: ANTISENSE OLIGONUCLEOTIDES FOR TREATING OR PREVENTING ATOPIC DISEASES AND NEOPLASTIC CELL PROLIFERATION (57) Abstract The present invention relates to the use of antisense oligonucleotides directed against specific nucleic acid sequences coding for receptors, alone or in combination, in order to inhibit the inflammatory reaction that is present in asthma, atopy or hypereosinophilia and to inhibit neoplastic cell proliferation. The antisense oligonucleotides of the present invention are used for treating and/or preventing asthma, allergy, hypereosinophilia, general inflammation or cancer. The oligonucleotides of the present invention are more specifically directed against nucleic acid sequences coding for a CCR3 receptor, a common sub-unit of IL-4 and IL-13 receptors, or a common sub-unit of IL-3, IL-5 and GM-CSF receptors.		